

Site Recommendation and License Application Strategy and Schedule

Presented to:

NSNFP Strategy Meeting

Presented by:

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Idaho Falls, ID

Presentation Outline

- **Site Recommendation Background**
- **Site Recommendation Strategy**
- **SR Documentation**
- **SR Schedule**
- **License Application Schedule**
- **Status of Regulations**

Background

- **DOE had originally planned to release a Site Recommendation Consideration Report in late 2000**
 - **Three-volume report**
 - ◆ **Site characterization and design information**
 - ◆ **Preliminary site suitability evaluation**
 - ◆ **Plans for addressing thermal and uncertainty issues**
 - **The SRCR was to initiate the public review process**
- **The SRCR was deferred to allow**
 - **Enhancement of the technical basis for a site recommendation decision**
 - **Completion of the Inspector General's investigation**
- **The FY01 scheduled work was re-planned to enhance the technical basis**

SR Strategy

- **Key elements of revised SR strategy**
 - **Identifies a possible SR decision in early FY 02**
 - **Includes analyses and documentation needed to enhance the technical basis for a possible SR decision**
 - ◆ **Builds on TSPA-SR Rev 0, ICN 1 (December 2000) and compares results**
 - ◆ **Based on evaluation of a flexible design with a range of thermal operating modes**
 - ◆ **Emphasizes what the effects on performance would be across a range of lower-temperature operating environments**

SR Strategy

(Continued)

- **Key elements of revised SR strategy (cont'd)**
 - **Addresses NWTRB priority concerns**
 - ◆ **Treatment of uncertainties**
 - ◆ **Understanding of corrosion mechanisms**
 - ◆ **Evaluation of a lower-temperature repository environment**
 - ◆ **Consideration of multiple lines of evidence**
 - **Addresses NRC Key Technical Issues (KTIs)**

Proposed SR Documentation

Summary of Basis for Recommendation*

- Secretarial document
- Describes NWPA process for SR
- Summarizes basis for Secretarial decision

Comprehensive Statement of the Basis for Recommendation*

YM Science & Engineering Report, Rev 1

- NWPA 114(a)(1)(A)-(C)
- Reflects external comments on S&ER, Rev 0
- Consistent with SSE

Final Environmental Impact Statement

- NWPA 114(a)(1)(D)
- Reflects external comments on the DEIS and Supplement
- Comment Response Document

NRC Sufficiency Comments

- NWPA 114(a)(1)(E)
- Includes NRC transmittal

SR Comment Summary Document

- NWPA 114(a)(1) & (a)(1)(F)
- Summarizes public comments
- Contains specific State/other agency Comments
- Contains Responses
- Contains index of individual comments

Site Suitability Evaluation

- NWPA 113(b)(1)(A)(iv)
- Reflects external comments on PSSE

Other Information

- NWPA 114(a)(1)(G)
- TSLCC & Fee Adequacy Report
- Others, as needed

Nevada Site Characterization Impacts Report

- NWPA 114(a)(1)(H) & 116(c)(2)(B)
- Any report from State on impacts from site characterization

* *Assuming site is recommended*

5/4/01 - Public Release

YM Science & Engineering Report, Rev 0

DEIS Supplement

Public Comment Period

S&ER: Started on 5/5/01
SDEIS: 5/11/01 - 6/25/01
PSSE: 7/3/01 - 8/16/01

July 2001 - Public Release

Supplemental Science & Performance Analyses Volumes 1 & 2

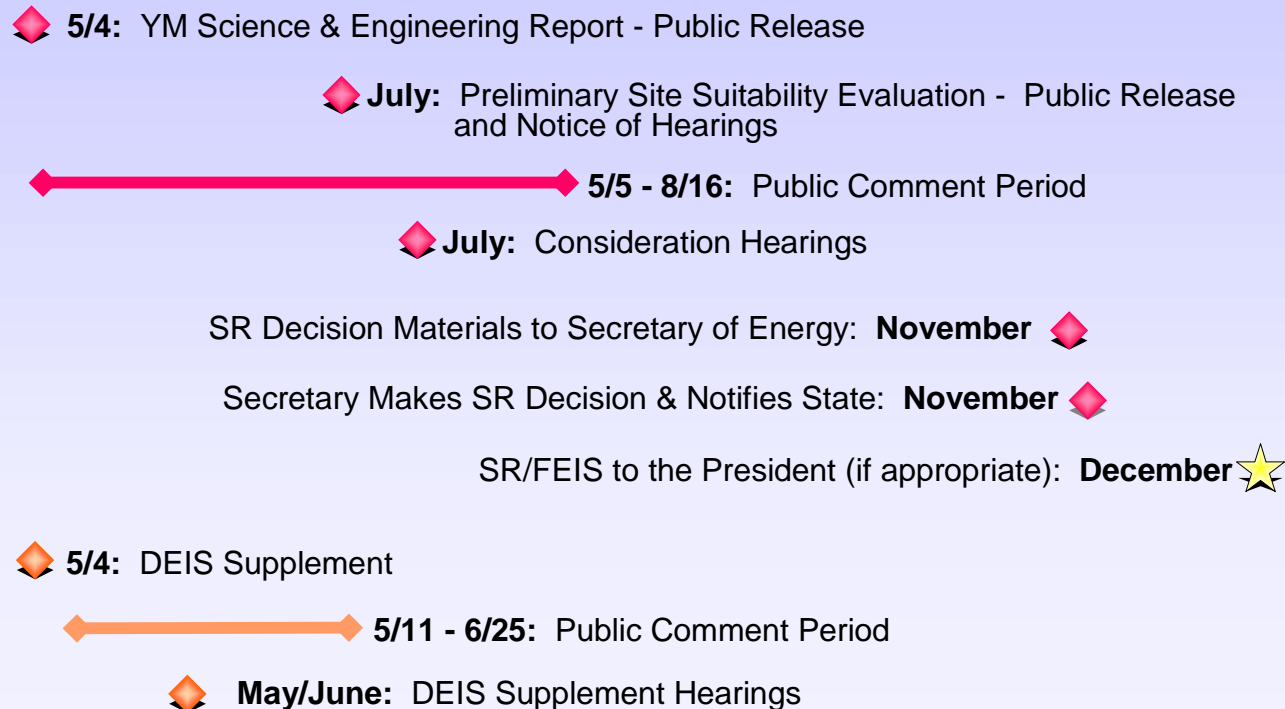
Preliminary Site Suitability Evaluation

Preliminary Preclosure Safety Assessment

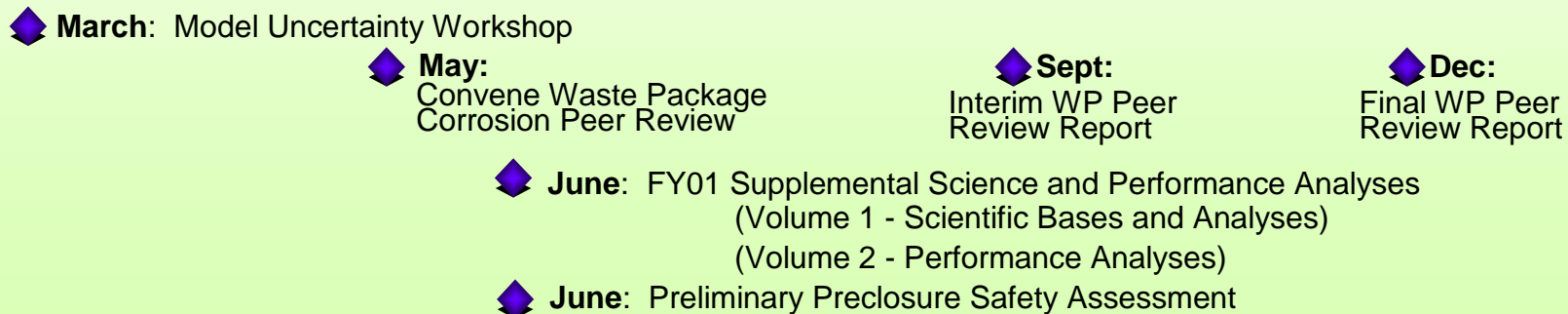
Site Recommendation Schedule

2/01 3/01 4/01 5/01 6/01 7/01 8/01 9/01 10/01 11/01 12/01 1/02

Programmatic Milestones



Technical Basis



License Application Schedule

- **Planning target for LA is 12/03**
 - Currently developing summary level LA strategy schedule including identification of key decisions to be made
 - Detailed ongoing planning will determine LA date
- **LA Development will not begin until later in FY02**
 - DOE EM to review LA
- **Currently developing LA Products list**
 - Products for LA based on guidance from TGD, Rev. 1
- **TGD is being replaced by LA Guidance**
 - Database format allows for rapid changes
 - Will be revised when 10 CFR 63 and YMRP issued

Status of Regulations

- **40 CFR 197 Final Rule announced on June 5 and effective 30 days after noticing in FR (6/12)**
 - **Preclosure period**
 - ◆ **Must meet both 40 CFR Part 191 (25mrem/yr-old dosimetry) and 40 CFR Part 197 (15mrem/yr-new dosimetry) for surface storage**
 - **Postclosure period**
 - ◆ **Limited controlled area to 300 km², southern boundary to 18km, and representative volume raised to 3000 acre-feet**
- **NRC must consider 40 CFR 197 and adjust 10 CFR 63 and Yucca Mountain Review Plan**
- **Proposed 10 CFR 963 will then be adjusted, as necessary, to comply with final rules and NRC must concur**